□□□□□□□□□□□□□□□□□□□□□□□□

□□□□□

1□□□□□ p□“$\exists x\in\mathbf{R}$□x^2□x□$1\le 0$”□□□□ p □□□□□　　□

A□$\exists x\in\mathbf{R}$□x^2□x□$1\ge 0$　　B□$\exists x\in\mathbf{R}$□x^2□x□1□0

C□$\forall x\in\mathbf{R}$□x^2□x□1□0　　D□$\forall x\in\mathbf{R}$□x^2□x□$1\ge 0$

2□□ a□b□$c\in\mathbf{R}$□□□□□□□□□□□□□　　□

A□□ a^2□b^2□□ a□b　　B□□ $\frac{1}{a}$□$\frac{1}{b}$□□ a□b

C□□ a□c□$b\le c$□□ $a\le b$　　D□□ $a+c\ge b+c$□□ $a\ge b$

3.□□ $\frac{x^2}{25}+\frac{y^2}{9}$□1 □ $\frac{x^2}{9-k}+\frac{y^2}{25-k}$□1□0□$k$□9□□□□□　　□

A□□□□□□□　B□□□□□□□　C□□□□□□□　D□□□□□□□

4.□□□□□C□$\frac{x^2}{a^2}$□$\frac{y^2}{b^2}=1$□a□0□b□0□□□□□□□□□y=$\frac{\sqrt{5}}{2}$x□□□□□$\frac{x^2}{12}+\frac{y^2}{3}=1$□

□□□□□□C□□□□□　　□

A□$\frac{x^2}{8}$□$\frac{y^2}{10}=1$　B□$\frac{x^2}{4}$□$\frac{y^2}{5}=1$　C□$\frac{x^2}{5}$□$\frac{y^2}{4}=1$　D□$\frac{x^2}{4}$□$\frac{y^2}{3}=1$

5.□□□□□$\frac{x^2}{12}-\frac{y^2}{4}=1$□□□□□$F$□□□□$F$□□□□□□□□□□□□□□□□□□□□□□□□□□□□□□

□□　　□

A□$\left(-\frac{\sqrt{3}}{3},\frac{\sqrt{3}}{3}\right)$　B□$(-\sqrt{3},\sqrt{3})$　C□$\left[-\frac{\sqrt{3}}{3},\frac{\sqrt{3}}{3}\right]$　D□$[-\sqrt{3},\sqrt{3}]$

6.□□“□□□”□□□□□□□□□□□□7□□□□1□5□11□21□37□61□95□□□□□□□8□□□□

A□99　B□131　C□139　D□141

7.□□□□ $C:\frac{x^2}{a^2}+\frac{y^2}{b^2}=1\ (a>b>0)$ □□□□□45°□□□ l □□□□□□A□B□□□AB□□□□

M□□4□1□□□□□□□□□□□□　　□

A□$\frac{\sqrt{5}}{5}$　B□$\frac{\sqrt{3}}{2}$　C□$\frac{\sqrt{2}}{2}$　D□$\frac{1}{2}$

8.□□□□ x□$2y$□3□0 □□□ $\frac{x^2}{a^2}+\frac{y^2}{b^2}$□1□$a$□$b$□0□□□□□ F□□□□□ A□B □□□□□ AB □□□□ P□□□ OP □□□□□1□□□□□□□□ □

A□$\frac{x^2}{45}+\frac{y^2}{36}$□1　B□$\frac{x^2}{36}+\frac{y^2}{27}$□1　C□$\frac{x^2}{27}+\frac{y^2}{18}$□1　D□$\frac{x^2}{18}+\frac{y^2}{9}$□1

9.□□C□□ $\frac{x^2}{4}$ □ $\frac{y^2}{5}$ □1□$\sqrt{x^2+y^2-9}$□0□□□□□ y□m□$m\in\mathbf{R}$□□□□C □□□□□□□□□□□□ □m □□□□□□□ □

A□□□$\frac{5}{3}$□$\frac{5}{3}$□　B□□□3□3□

C□□□3□□$\frac{5}{3}$□∪□$\frac{5}{3}$□3□　D□□□3□□$\frac{5}{3}$□∪□□$\frac{5}{3}$□$\frac{5}{3}$□∪□$\frac{5}{3}$□3□

10.□□□□□ C□y^2□$8x$□□ P□Q □□□□□□□□□M□ PQ □□□□□|PQ|□10□□ M□ y□ □□□□□□□□ □

A□9　B□8　C□4　D□3

11.□□ C□$\frac{x^2}{a^2}+\frac{y^2}{b^2}$□1□$a$□$b$□0□□□□□ E□y^2□$4x$ □□□□ M□N□□□ P□□1□0□□□□□ □□□ E □□□ M□N □□□□□□□□□□ A□□□□□ $PMAN$ □□□□□□□□□□□□□□□□□□ □

A□$\frac{\sqrt{3}}{3}$　B□$\frac{\sqrt{2}}{2}$　C□$\frac{\sqrt{2}}{3}$　D□$\frac{\sqrt{3}}{4}$

12.□□ F_1□F_2 □□□□□□ C□$\frac{x^2}{2}-\frac{y^2}{6}=1$□□□□□□□□ F_2 □□□□□□□ C □□□□□ A□B □□ □□□□ A □□□□□□□□□□ H□G □□□△AF_1F_2□△BF_1F_2 □□□□□|HG|□□□□□□□ □

A□[$2\sqrt{2}$□4□　B□[2□$\frac{4\sqrt{6}}{3}$□　C□□$\frac{4\sqrt{3}}{3}$□$2\sqrt{2}$]　D□[$2\sqrt{2}$□$\frac{4\sqrt{6}}{3}$□

□.□□□

13.□△ABC □□□□ A□B□C □□□□□□□ a□b□c□□ $\frac{a\sin A+b\sin B-c\sin C}{a\sin B}=2\sqrt{3}\sin C$□

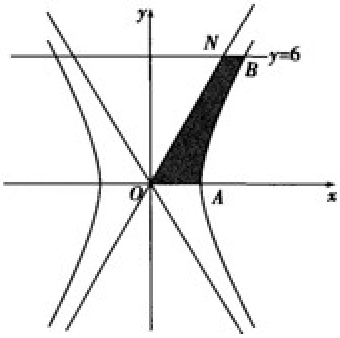
[illegible]∠C[illegible]____[illegible]

14. [illegible]$y^2=$[illegible]$12x$[illegible]$\frac{x^2}{6}$[illegible]$\frac{y^2}{2}=1$[illegible]______[illegible]

15. [illegible] $f(x)=\begin{cases}(2a-1)x+4a, & x<1\\ -x+1, & x\geq 1\end{cases}$ [illegible]Z[illegible]a[illegible]____

16. [illegible]“[illegible]”[illegible]“[illegible]”[illegible]“[illegible]”[illegible]C[illegible]x[illegible]$\sqrt{5}$[illegible]$(2,\ 2\sqrt{3})$[illegible]y[illegible]0[illegible]y[illegible]6[illegible]

[illegible]y[illegible]____[illegible]



[illegible]

17. △ABC[illegible]A[illegible]B[illegible]C[illegible]a[illegible]b[illegible]c[illegible]$b\sin C$[illegible]$\sqrt{3}c\cos B$[illegible]

[illegible]1[illegible]B[illegible]

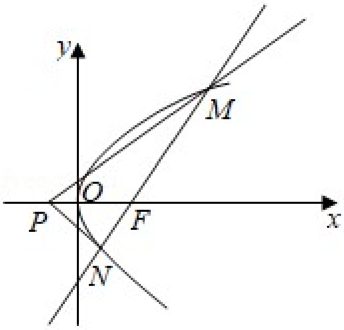
[illegible]2[illegible]b[illegible]$2\sqrt{3}$[illegible]ac[illegible]4[illegible]△ABC[illegible]

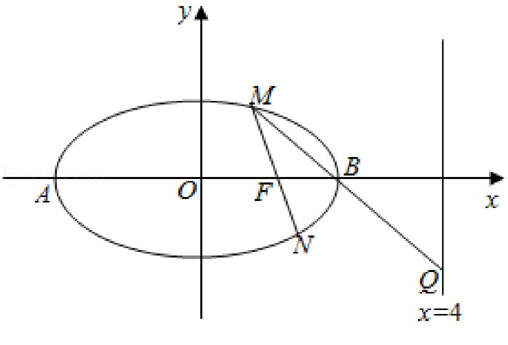
18. [illegible]$\{a_n\}$[illegible]n[illegible]$S_n=n^2+2n$[illegible]

[illegible]1[illegible]a_n[illegible]

[illegible]2[illegible]$b_n=2^n a_n$[illegible]$\{b_n\}$[illegible]n[illegible]T_n[illegible]

19.□□□□□□ F □□□□ C□y^2□$2px$□p□0□□□□□□□ F □□□□ l □□□□ C □□ M□N □□□
□□□□ l □□□□□ 45°□□|MN|□16□
□1□□□□□ C □□□□
□2□□□□□ x □□□□□□□ P□□□□□ PM□PN □□ x □□□□□□□□□□□□ P □□□□□□□□□
□□□□□□



20.□□□□□□□□ xOy □□□□ C □□□□□□□□ O□□□□□□ F□1□0□□□□□□□ $\frac{1}{2}$ □

□1□□□□ C □□□□
□2□□□□□□□□□□□□□□ A□B□M □□□□□□ A□B □□□□□□□□ MF □□□ C □□□□
N□□□ MB □□□ x□4 □ Q □□□□□A□N□Q □□□□□□□□□□□